

ABSTRACT OF THE DISCLOSURE

A wavelength-tunable stabilized laser is provided with a light source comprising a plurality of lasers capable of oscillating at a plurality of wavelengths, a light detecting part for detecting the light intensity of laser light output from the light source via a periodic filter, and a controlling part for generating oscillation of one of the lasers of the light source and controlling the oscillation wavelength of the laser so that the output value of the light detecting part becomes equal to a predetermined one of a plurality of target values. The wavelength-tunable stabilized laser is able to generate oscillation of laser light at a desired wavelength, of the plurality of wavelengths, and to stabilize the wavelength.

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